

Title (en)

TRANSMISSION POWER CONTROL OF A RADIO BASE STATION

Title (de)

SENDELEISTUNGSREGELUNG FÜR EINE FUNKBASISSTATION

Title (fr)

RÉGULATION DE PUISSANCE DE TRANSMISSION DESTINÉE À UNE STATION DE BASE RADIOÉLECTRIQUE

Publication

EP 3949175 B1 20230503 (EN)

Application

EP 19716011 A 20190328

Priority

SE 2019050282 W 20190328

Abstract (en)

[origin: WO2020197455A1] There is provided mechanisms for controlling total average transmission power of a radio base station. A method is performed by a control device. The method comprises performing control of total average transmission power ($P_{tot}(t)$) of the radio base station according to a back-off power control loop. In the back-off power control loop, a setpoint value (P_{tot}^{ref}) of the total average transmission power is compared with a value of the total average transmission power ($P_{tot}(t)$). The value of the total average transmission power ($P_{tot}(t)$) is computed over an averaging time T . Control parameters of the back-off power control loop are scaled proportionally to the inverse of the averaging time T . The control parameters pertain to a response time of the back-off power control loop.

IPC 8 full level

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CPC (source: EP US)

H04B 17/102 (2015.01 - EP); **H04W 52/143** (2013.01 - EP US); **H04W 52/225** (2013.01 - US); **H04W 52/367** (2013.01 - EP)

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